

0015

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Page 1 of							
Permit Number	ACT/007/013	Report Date	17 March 1999						
Mine Name	Horse Canyon								
Company Name	UtahAmerican Energy, Inc.								
Impoundment Identification	Impoundment Name	Sediment Pond #1 (Lower)							
	Impoundment Number	Pond #1							
	UPDES Permit Number	UTGO 40013-001A							
	MSHA ID Number	42-00100							
IMPOUNDMENT INSPECTION									
Inspection Date	17 March 1999								
Inspected By	R. Jay Marshall P.E.								
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Quarterly							
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>No appearance of instability, structural weakness, or any other hazardous condition was observed at the time of inspection.</p>									
Required for an impoundment which functions as a SEDIMENTATION POND.	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p>Sediment Elevations:</p> <table><tbody><tr><td>60%</td><td>6173.7'</td></tr><tr><td>100%</td><td>6174.4'</td></tr><tr><td>Existing</td><td>6173.7'</td></tr></tbody></table>			60%	6173.7'	100%	6174.4'	Existing	6173.7'
	60%	6173.7'							
100%	6174.4'								
Existing	6173.7'								
	<p>3. Principle and emergency spillway elevations.</p> <table><tbody><tr><td>Principle</td><td>6178.6'</td></tr><tr><td>Emergency</td><td>6180.8'</td></tr></tbody></table>			Principle	6178.6'	Emergency	6180.8'		
Principle	6178.6'								
Emergency	6180.8'								

4. **Field Information.** Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond is dry and there is no evidence of recent discharge. No water samples were taken. Vegetation is abundant. No erosion problems evident on in slopes or out slopes at time of inspection. Phase I bond release has been achieved and Phase II applied for.

5. **Field Evaluation.** Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

The geometry of the impounding has not changed. Pond was dry with no recent indication of any water being impounded. Reclamation is essentially complete. Once Phase II bond release is achieved, no further inspections will be required.

**Qualification
Statement**

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: R. Jay Marshall

Date: 30 March 89

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	XXXX	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	XXXX	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	XXXX	

COMMENTS AND OTHER INFORMATION

NONE

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Certification Statement: [PE Cert. Stamp]	<p>I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.</p> <p>By: _____ (Full Name and Title)</p> <p>Signature: _____ Date: _____</p> <p>P.E. Number & State: _____</p>
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IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Page 4 of	
Permit Number	ACT/007/013	Report Date	17 March 1999
Mine Name	Horse Canyon		
Company Name	UtahAmerican Energy, Inc.		
Impoundment Identification	Impoundment Name	Sediment Pond #2 (Upper)	
	Impoundment Number	Pond #2	
	UPDES Permit Number	UTG 040013-002A	
	MSHA ID Number	42-00100	
IMPOUNDMENT INSPECTION			
Inspection Date	17 March 1999		
Inspected By	R. Jay Marshall P.E.		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)			
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>No appearance of instability, structural weakness, or any other hazardous condition was observed at the time of inspection.</p>			
Required for an impoundment which functions as a SEDIMENTATION POND.	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p style="text-align: center;">Sediment Elevation</p> <p style="text-align: center;">60% 6233.1'</p> <p style="text-align: center;">100% 6233.5'</p> <p style="text-align: center;">Existing 6232.7'</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p style="text-align: center;">Principal 6234.9'</p> <p style="text-align: center;">Emergency 6237.8'</p>		

4. **Field Information.** Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond is dry and there is no evidence of recent discharge. No water samples were taken. Vegetation is abundant. No erosion problems evident on in slopes or out slopes at time of inspection. Phase I bond release has been achieved and Phase II applied for.

5. **Field Evaluation.** Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

The geometry of the impounding has not changed. Pond was dry with no recent indication of any water being impounded. Reclamation is essentially complete. Once Phase II bond release is achieved, no further inspections will be required.

**Qualification
Statement**

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: R. Jay Marshall

Date: 30 March 89

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)

YES

NO

1. Is impoundment designed and constructed in accordance with the approved plan?
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?

XXXX

XXXX

XXXX

COMMENTS AND OTHER INFORMATION

NONE

Certification
Statement:

[PE Cert. Stamp]

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: _____
(Full Name and Title)

Signature: _____ Date: _____

P.E. Number & State: _____

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Only Pile.	Page 1 of 2
Permit Number	ACT/007/013	Report Date	17 March 1999
Mine Name	Horse Canyon		
Company Name	UtahAmerican Energy, Inc.		
Excess Spoil Pile or Refuse Pile Identification	Pile Name	Road Junction	
	Pile Number	Only Pile.	
	MSHA ID Number	This is not an MSHA Pile.	
Inspection Date	17 March 1999		
Inspected By	R. Jay Marshall P.E.		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Quarterly	
		Attachments to Report? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	
Field Evaluation			
<p>1. Foundation preparation, including the removal of all organic material and topsoil.</p> <p>Final Reclamation, grading, and Revegetation was completed n 19991.</p>			
<p>2. Placement of underdrains and protective filter systems.</p> <p>N.A.</p>			
<p>3. Installation of final surface drainage systems.</p> <p>Final surface drainage system completed in 1991.</p>			
<p>4. Placement and compaction of fill materials.</p> <p>NONE</p>			

5. Final grading and revegetation of fill.

Completed in 1991. Phase I bond release has been achieved. Vegetation is abundant.

6. Appearances of instability, structural weakness, and other hazardous conditions.

No evidence of instability, weakness or other hazardous conditions were apparent at the time of inspections.

7. Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period.

Reclamation is essentially complete. Once Phase II bond release is achieved, no further inspections will be required.

**Certification
Statement**

[Cert. Stamp]

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: _____
(Full Name and Title)

Signature: _____ Date: _____

P.E. Number & State: _____